

## WEST Search History

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DATE: Sunday, January 22, 2006

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<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ</i>			
<input type="checkbox"/>	L6	L5 and @AD<20000530	0
<input type="checkbox"/>	L5	((subscriber or user) adj2 (profile or feature or data)) near8 (home adj2 (network or register)) near8 ((visited or visitor) adj2 (network or register)) near8 (service or access)	6
<input type="checkbox"/>	L4	L3 and @AD<20000530	31
<input type="checkbox"/>	L3	((subscriber or user) adj2 (profile or feature or data)) same (home adj2 (network or register)) same ((visited or visitor) adj2 (network or register)) same (service or access)	125
<input type="checkbox"/>	L2	L1 and @AD<20000530	110
<input type="checkbox"/>	L1	profile same (home adj2 (network or register)) same ((visited or visitor) adj2 (network or register)) same (service or access)	273

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chmod: can't access /u01/Middle\_Tier/West22/NetAns2/bin/webaka/html/user\_profile/nel-hady/temp.txt  
chmod: can't access /u01/Middle\_Tier/West22/NetAns2/bin/webaka/html/user\_profile/nel-hady/temp.txt  
chmod: can't access /u01/Middle\_Tier/West22/NetAns2/bin/webaka/html/user\_profile/nel-hady/temp.txt

## Freeform Search

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**Database:** US Pre-Grant Publication Full-Text Database  
US Patents Full-Text Database  
US OCR Full-Text Database  
EPO Abstracts Database  
JPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Term:** (home network) same (visited network) same  
(access or authorization or authorized) same profile

**Display:** 10 Documents in Display Format: - Starting with Number 1

**Generate:**  Hit List  Hit Count  Side by Side  Image

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### Search History

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			<u>Count</u>	<u>Name</u>
side by side				result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ				
<u>L3</u>	(home network) same (visited network) same (access or authorization or authorized) same profile		25	<u>L3</u>
<u>L2</u>	(home network) same (visited network) same identification same (access or authorization or authorized) same profile		9	<u>L2</u>
<u>L1</u>	(home network) same (visited network) same identification same (access or authorization or authorized)		21	<u>L1</u>

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L4: Entry 21 of 31

File: USPT

Jun 27, 2000

DOCUMENT-IDENTIFIER: US 6081715 A

TITLE: Method and system for distributed control in wireless cellular and personal communication systems

Application Filing Date (1):  
19970318

Brief Summary Text (5):

During registration of a mobile in current cellular networks, a user profile is sent from a home network to a Visitors' Location Register (VLR) in the network in which the mobile user is currently located. A Mobile Switching Center (MSC) then obtains the user's profile from the VLR either during registration or during call delivery in order to provide signalling services for the mobile user. One disadvantage of this technique is that sending the user profile requires the sharing of competitive information between different networks. A second disadvantage is that signalling traffic is generated even when the mobile is not involved in a call.

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L3: Entry 25 of 25

File: DWPI

Aug 16, 2001

DERWENT-ACC-NO: 2001-498382

DERWENT-WEEK: 200212

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**TITLE:** Relay service control device for wireless telecommunication system, determines authorization to execute communication service based on service profile for user and transmits data from home network to visited network

INVENTOR: TORABI, M

PATENT-ASSIGNEE: LUCENT TECHNOLOGIES INC (LUCE)

PRIORITY-DATA: 2000US-0501050 (February 9, 2000)

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## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<input type="checkbox"/> EP 1124388 A2	August 16, 2001	E	010	H04Q007/24
<input type="checkbox"/> KR 2001078799 A	August 21, 2001		000	H04B007/00
<input type="checkbox"/> AU 200118276 A	August 16, 2001		000	H04Q007/38
<input type="checkbox"/> BR 200100189 A	September 18, 2001		000	H04Q007/38
<input type="checkbox"/> CA 2330710 A1	August 9, 2001	E	000	H04Q007/36
<input type="checkbox"/> CN 1308436 A	August 15, 2001		000	H04L012/46
<input type="checkbox"/> JP 2001285191 A	October 12, 2001		008	H04B007/26

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
EP 1124388A2	January 29, 2001	2001EP-0300757	
KR2001078799A	February 9, 2001	2001KR-0006373	
AU 200118276A	February 2, 2001	2001AU-0018276	
BR 200100189A	January 29, 2001	2001BR-0000189	
CA 2330710A1	January 10, 2001	2001CA-2330710	
CN 1308436A	February 7, 2001	2001CN-0103232	
JP2001285191A	February 9, 2001	2001JP-0033055	

INT-CL (IPC) : H04 B 7/00; H04 B 7/14; H04 B 7/26; H04 L 12/44; H04 L 12/46; H04 M 3/00; H04 M 3/42; H04 Q 7/24; H04 Q 7/36; H04 Q 7/38

ABSTRACTED-PUB-NO: EP 1124388A

BASIC-ABSTRACT:

NOVELTY - A home network (102) of subscriber, retrieves a subscriber service profile for a user from a home location register of the subscriber. An authorization is determined to execute a communication service based on the service profile for the user and the data from the home network is transmitted to the visited network (101).

USE - For wireless telecommunication system.

ADVANTAGE - The visited serving network executes the service logic program in its service control function and directly controls the provision of the requested service to the user and enables to expand visited serving network port folio by obtaining the needed service logic program.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of supporting network interconnected with other wireless communication network.

Visited network 101

Home network 102

ABSTRACTED-PUB-NO: EP 1124388A

EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.1/4

DERWENT-CLASS: W01 W02

EPI-CODES: W01-B05; W01-B05A1A; W01-B05A1B; W01-C02B; W02-C03C1A; W02-C03C3;

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L2: Entry 1 of 9

File: PGPB

Dec 2, 2004

DOCUMENT-IDENTIFIER: US 20040242226 A1

TITLE: Method and computer program for accessing an intelligent network service

Detail Description Paragraph:

[0019] When the terminal 10 registers on the visited network 2, for example when the terminal 10 enters the visited network 2 or when the terminal 10 is switched on in the visited network 2, subscription data from the HLR 5 in the home network 1 is sent to the VLR 9 in the visited network 2. The subscription data comprises an original CAMEL subscription information (OCSI) which comprises information for the visited network 2 to determine if the terminal 10 is allowed access to IN services in the home network 1, and to which IN services. When the terminal attempts to access an IN service in the home network 1, for example by sending a short number, this request is received in the second SSF 8 in the visited network. The SSF 8 now sends, based on the data comprised in the OCSI comprised in the VLR 9, a detect message to the SCF 6 in the home network 1. This detect message comprises the number sent from the terminal 10, an extension number of the terminal 10 and a service key. The service key, which forms part of the OCSI stored in the VLR 9 in the visited network, comprises data to determine the type of IN service as well as, in case that multiple profiles are available within the respective IN service, the appropriate profile. The detect message comprises an initial detection point (IDP) message according to the CAMEL standard. The SCF 6 in the home network 1, which receives the detect message, determines a prefix to the number sent from the terminal 10. The SCF 6 now sends a redirect message to the SSF 8 in the visited network 2, the redirect message comprises a destination number comprising the number sent from the terminal 10 and the prefix added by the SCF. The service key, the number sent by the terminal (10), and/or the extension number of the terminal are used to determine the type and, if available, profile of the IN service requested by the terminal (10), and thus to determine the destination number, associated with the IN service to be accessed. Further, the redirect message comprises a command to establish a connection. The SSF 8 in the visited network 2 establishes a connection in response to the redirect command received from the SCF 6, making use of the destination number including the prefix which has been sent by the SCF 6, comprised in the redirect message. In FIG. 2 a short number 20 sent from the terminal 10 and an access number 21 are shown. The access number 21 in this example equals the destination number and thus comprises the number 20 sent from the terminal 10 and the prefix 22. The prefix 22 comprises a home network identification number 22a and an IN service type identification number 22b. When the access number 21 is dialed by the SSF 8 in the visited network 2, the call is directed to the home network 1 by the home network identification number 22a which causes the call to be directed to the SSF 4 or to another SSF (not shown, but performing a similar task) in the home network 1. As the call, originating from the visited network 2 has now arrived in the home network 1, the home network identification number 22a can be removed from the access number 21. Now, the SSF 4 in the home network 1 determines the type of IN service from the IN service type identification number 22b comprised in the prefix 22. Dependent on the IN service type identification number 22b, the SSF 4 in the home network 1, now directs the call to a SCF which performs the IN function requested such as in this example the SCF 7. As a result, a number is sent from the SSF 4 to the SCF 7 in the home network 1, which number is identical to a number received by the SCF 7 originating

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L3: Entry 9 of 25

File: PGPB

Jul 8, 2004

PGPUB-DOCUMENT-NUMBER: 20040132449  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20040132449 A1

TITLE: Method and apparatus for permitting a mobile station to operate in a visited network

PUBLICATION-DATE: July 8, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Kowarsch, Benjamin	Tokyo		JP	

APPL-NO: 10/ 297712 [PALM]

DATE FILED: June 24, 2003

FOREIGN-APPL-PRIORITY-DATA:

COUNTRY	APPL-NO	DOC-ID	APPL-DATE
AU	PQ 8094	2000AU-PQ 8094	June 9, 2000
AU	PQ 9701	2000AU-PQ 9701	August 28, 2000

PCT-DATA:

DATE-FILED	APPL-NO	PUB-NO	PUB-DATE	371-DATE	102 (E) -DATE
Jun 6, 2001	PCT/AU01/00672				

INT-CL: [07] H04 Q 7/20

US-CL-PUBLISHED: 455/432.1; 455/422.1, 455/433

US-CL-CURRENT: 455/432.1; 455/422.1, 455/433

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

A method and apparatus are provided which permit a mobile station from a home network to operate in a visited network, the method including monitoring an attempt by the mobile station to sign onto said visited network to determine whether a predetermined condition is met, and automatically initiating the creation of an account for the mobile station in the visited network if the predetermined condition is met.

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L3: Entry 20 of 25

File: USPT

Jun 22, 2004

US-PAT-NO: 6754482  
 DOCUMENT-IDENTIFIER: US 6754482 B1

TITLE: Flexible access authorization feature to enable mobile users to access services in 3G wireless networks

DATE-ISSUED: June 22, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Torabi; Mohammad	Naperville	IL		

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Lucent Technologies Inc.	Murray Hill	NJ			02

APPL-NO: 09/ 496558 [PALM]  
 DATE FILED: February 2, 2000

INT-CL: [07] H04 M 1/66, H04 M 1/68, H04 M 3/16

US-CL-ISSUED: 455/410; 455/414.1, 455/432.3, 455/435.1, 455/456.3, 455/433  
 US-CL-CURRENT: 455/410; 455/414.1, 455/432.3, 455/433, 455/435.1, 455/456.3

FIELD-OF-SEARCH: 455/406, 455/410, 455/414.1, 455/414.3, 455/432.3, 455/433, 455/435.1, 455/456.3

PRIOR-ART-DISCLOSED:

U.S. PATENT DOCUMENTS

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PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> <u>6345184</u>	February 2002	van der Salm et al.	455/432.2
<input type="checkbox"/> <u>6453162</u>	September 2002	Gentry	455/433

FOREIGN PATENT DOCUMENTS

FOREIGN-PAT-NO	PUBN-DATE	COUNTRY	US-CL
WO 98/23099	May 1998	WO	

WO-9823099	May 1998	WO
WO 99/07106	February 1999	WO
WO 99/27722	June 1999	WO
WO 99/27723	June 1999	WO
WO-9927723	June 1999	WO

## OTHER PUBLICATIONS

Hagen, L. et al: "Mobile Agent Based Service Subscription And Customization Using The UMTS Virtual Home Environment," Computer Networks, Elsevier Science Publishers B.V., Amsterdam, NL. vol. 31, No. 19, Aug. 31, 1999, pp. 2063-2078.

ART-UNIT: 2683

PRIMARY-EXAMINER: Trost; William

ASSISTANT-EXAMINER: D'Agosta; Stephen

ABSTRACT:

The flexible access authorization feature for wireless telecommunication systems enables network operators and/or service providers to dynamically authorize a user to receive services for which the subscriber has not previously subscribed or which are not supported in the user's home network. This is accomplished by enabling a user to expand and contract their portfolio of available communication services on an as needed basis to enable wireless users to use their user mobile terminals and obtain the services which they need, regardless of the user's location in the wireless communication network and regardless of the present set of services for which the user is authorized. The flexible access authorization feature is accomplished by real time interaction among the relevant functional entities of the wireless telecommunications system to obtain new or additional user information to execute the flexible access authorization logic to decide on access authorization to a selected service. The flexible access authorization logic can reside in any of a number of network entities and can examine a number of conditions to determine access authorization for a user with respect to a selected service, including: time-dependency, location-dependency, account billing limitations, and other factors.

7 Claims, 2 Drawing figures

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L4: Entry 17 of 31

File: USPT

Dec 26, 2000

DOCUMENT-IDENTIFIER: US 6167280 A

TITLE: Method and system for initiating a data transfer in a cellular communications system

Application Filing Date (1):  
19970530

Detailed Description Text (10):

Advanced intelligent network 70 may also be connected to home location register (HLR) 72 and visitor location register (VLR) 74. Both HLR 72 and VLR 74 may store subscriber records 76. Subscriber records may also be stored within base station controller 52 and computer 58. Such subscriber records 76 may include subscriber preferences, registration and user profile information, and other information associated with the subscriber. Examples of subscriber preferences may include whether or not certain features or services have been enabled for the subscriber, unique subscriber identifiers, and other such preferences. Examples of data associated with the subscriber includes the subscriber's account number, the subscriber's mobile identification number, and the electronic serial number of the subscriber's equipment.

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L4: Entry 15 of 31

File: USPT

Feb 20, 2001

DOCUMENT-IDENTIFIER: US 6192250 B1  
TITLE: Cluster mobile switching center

Application Filing Date (1):  
19980901

Detailed Description Text (22):

Second, user signaling servers 112 perform call/connection related functions, provide mobility management of second-generation visitor location registers 109 and provide access to intelligent network (IN) type services consistent with both second- and third-generation systems. Thus, each user signaling server 112 maintains call and connection state from the user's perspective. Mobility management functions include coordinating registration with the home network, managing paging, and assigning temporary routing numbers (called temporary local directory numbers, or TLDN), used by other network elements to route incoming calls to a mobile device 103. To provide access to IN services, each user signaling server 112 maintains a temporary copy of the user service profile that is obtained during registration procedures. It also checks service triggers during registration and call establishment procedures to determine if value-added services should be activated.

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L4: Entry 19 of 31

File: USPT

Nov 14, 2000

DOCUMENT-IDENTIFIER: US 6148199 A

TITLE: Apparatus and method of updating a mobility database

Application Filing Date (1):

19980130

Brief Summary Text (6):

In a typical communications network, a subscriber, or user, database is maintained that includes user information, user profiles, feature activation status, access privileges, and so forth. This database is typically referred to as a home location register (HLR), and is well understood. Upon receiving a request for registration from a communication unit, the network equipment accesses the HLR, finds the correlating subscriber record, and determines what features to activate for the communication unit, as well as the necessary authentication information, among other pertinent information. This information is transferred to another database called the visitors location register (VLR), which is also well understood in the art. The VLR is used by the system to also track the communication unit's location in the system, i.e., what particular cell or cells the communication unit was most recently in, so that an incoming call may be routed.

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L4: Entry 4 of 31

File: USPT

Jun 1, 2004

DOCUMENT-IDENTIFIER: US 6745029 B2

TITLE: Method and arrangement for handling network specific subscriber data during roaming by use of SIM card information storage

Application Filing Date (1):  
19990625

Detailed Description Text (19):

FIG. 4 shows a signalling diagram illustrating data transmission according to the embodiment described above, used for inquiring or changing subscriber data related to an MPCA service in a user terminal UT 11 operating in a GSM and satellite mobile network 30. A problem with a user terminal 11 functioning either in a home network 10 or in another network 20 within the subscriber's working range is that the system offering a network-specific supplementary service does not know the location of the user terminal, because the subscriber has not performed location updating within the area of the network. In the solution of the invention a paging centre MPCA-SC 36 transmits to the subscriber's home location register HLR 14 a short message routing inquiry GMSC MAP/C (SendRoutinginfoForShortMsg) determined in the GSM specification. After having received the address of the visitor location register VLR224 sent by the home location register HLR 14, the paging centre MPCA-SC 36 generates a USSD message, instead of a short message, and sends it to the visitor location register VLR224. The visitor location register VLR224 pages the user terminal 11 and performs with the user terminal the data transmission associated with supplementary services for instance by using messages MAP/I REGISTER, ACTIVATE, DEACTIVATE, ERASE and FACILITY. The user terminal 11 changes the data on the SIM card 12 according to the commands received from the satellite mobile network 30. After the data transmission has been completed, the visitor location register VLR224 transmits to the paging centre MPCA-SC 36 a USSD acknowledgement, whereby the paging centre releases the connection (RELEASE) and the visitor location register VLR224 sends the user terminal UT 11 a notification about a successful location updating.

Detailed Description Text (22):

After having received a request for updating subscriber data stored in an identity module of a subscriber related to an MPCA service, the gateway switching centre GMSC 33 sends the subscriber's home location register HLR 14 a routing inquiry (SendRoutinginfoForShortMsg) for a GMSC MAP/C short message defined in the GSM specification. After having received the address of the visitor location register VLR224 sent by the home location register HLR 14, the gateway switching centre GMSC 33 generates an appropriate USSD message and transmits it to the visitor location register VLR224. The visitor location register VLR224 pages the user terminal 11 and performs with the user terminal the data transmission associated with supplementary services defined in the GSM, using for instance applicable MAP/I messages. The user terminal 11 changes the data on the SIM card 12 according to the commands received from the satellite mobile network 30. When the data transmission is completed, the visitor location register VLR224 sends to the gateway switching centre GMSC 33 a USSD acknowledgement, whereby the paging centre MPCA-SC 36 releases the connection (RELEASE). After the connection has been released, the visitor location register VLR224 sends the user terminal UT 11 a notification about

a successful updating of the subscriber data and the gateway switching centre GMSC 33 sends an acknowledgement about the completion of the operation to the paging centre MPCA-SC 36.

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